HW#36: Circles/Area of Composite Figures

Geometry

Due: Tuesday, November 3rd

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE.

Part I: The Pantheon in Rome, Italy

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| C:\Users\kramos\Dropbox\Math Materials - KMR\Images\pantheon.jpg  43.3 m | The picture at the left shows the ceiling of the Pantheon in Rome, Italy built between 181-128 AD. The Pantheon is known for the majestic circular ceiling that has a diameter of 43.3 m. Find the Area of the circular part of the Pantheon’s ceiling. | |
| 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\pantheon_front.jpg   50.6 m  20.3 m  43.3 m |  | The façade, or front, of the Pantheon is shown in the picture to the left. Find the area of the front of the building with the given dimensions. |
| 1. C:\Users\kramos\Dropbox\Math Materials - KMR\Images\floorplan_pantheon.jpg   C = 16π m |  | The picture to the left shows the floor plan of the Pantheon. Find the radius of the circular section of the floor if the circumference is 16π m. |

Part II: Angle Review

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| C:\Users\kramos\Desktop\HW#36_2.PNG |
| C:\Users\kramos\Desktop\HW#36_3.PNG |